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SCIENTIFIC INTELLIGENCE RESEARCH AID

A SURVEY OF RECEPTION OF INTERNATIONAL
BROADCASTS TO THE EUROPEAN SOVIET BLOC
BASED ON REPORTS OF LISTENERS BEHIND
THE IRON CURTAIN FROM JULY 1955
THROUGH MARCH 1956



CIA/SI 87-56

12 September 1956

CENTRAL INTELLIGENCE AGENCY

OFFICE OF SCIENTIFIC INTELLIGENCE

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FROM JULY 1955 THROUGH MARCH 1956

NOTICE

This publication has been prepared in CIA/SI
as an aid to intelligence analysts and others
concerned with the subject matter presented.

CIA/SI 87-56

12 September 1956

CENTRAL INTELLIGENCE AGENCY

Office of Scientific Intelligence

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C-O-N-F-I-D-E-N-T-I-A-L

PREFACE

This paper is the second* in a series of surveys, which are being issued periodically, of listeners' reports on the technical effectiveness of the reception of international broadcasts from the West to the European Soviet Bloc.

25X1X

The survey covers the period from July 1955 to March 1956.

*The first paper in the series was: CIA/SI 93-55, 30 Nov 55, A Survey of the Reception of West German Broadcasts to East Germany, Poland, and Czechoslovakia from March 1954 to June 1955, S.

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A SURVEY OF RECEPTION OF INTERNATIONAL BROADCASTS
TO THE EUROPEAN SOVIET BLOC BASED ON REPORTS
OF LISTENERS BEHIND THE IRON CURTAIN
FROM JULY 1955 THROUGH MARCH 1956

SCOPE

This paper presents an evaluation of reports from listeners within the Iron Curtain countries of Europe on the reception and the technical effectiveness of international broadcasts from the West.

SUMMARY

The technical effectiveness of radio transmissions to the Soviet Bloc from international broadcasting organizations located in Western Europe during the period from July 1955 through March 1956 was reduced to some extent in certain areas of the Bloc countries as the result of an increase in jamming activities in these areas.

Medium-wave broadcasts from Radio in the American Sector (RIAS), Berlin, are heavily jammed throughout most of East Germany with the exception of small areas northwest and south of Berlin. Similar heavy jamming of medium-wave broadcasts from RIAS is reported from all urban areas in the north and western portions of Czechoslovakia and from most of the large cities in Poland. Exceptionally heavy jamming is reported from the cities in southern Poland.

Medium-wave transmissions in the Czech language beamed from Radio Free Europe (RFE) are reported as being heavily jammed throughout all areas reporting from Czechoslovakia. Medium-wave broadcasts in the German and Czech languages from the Voice of America (VOA) are reported as being heavily jammed in the northern and northwestern portions of Czechoslovakia but are reportedly received with fair intelligibility along the southern and southwestern borders of Czechoslovakia and throughout most of the rural areas in East Germany.

Long-wave broadcasts from RIAS and the VOA* are heard with fair consistency during the morning hours in the northern and southern cities of Poland and in numerous rural sections throughout East Germany.

Frequency-modulated (FM) transmissions from RIAS, Berlin, are well received throughout most of East Germany without any trace of jammer interference.

*RIAS and VOA long-wave broadcasts originate from the 1,000-kilowatt transmitter of the Voice of America in Munich, Germany.

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Short-wave transmissions of the VOA, RFE, and the BBC are frequently getting through to all areas of the Bloc countries covered in this survey on at least one of their frequencies even though some of them are heavily jammed. The 19- and 25-meter bands provide the most effective reception in practically every area surveyed throughout the Bloc. The 41- and 49-meter bands are subjected to the heaviest jamming.

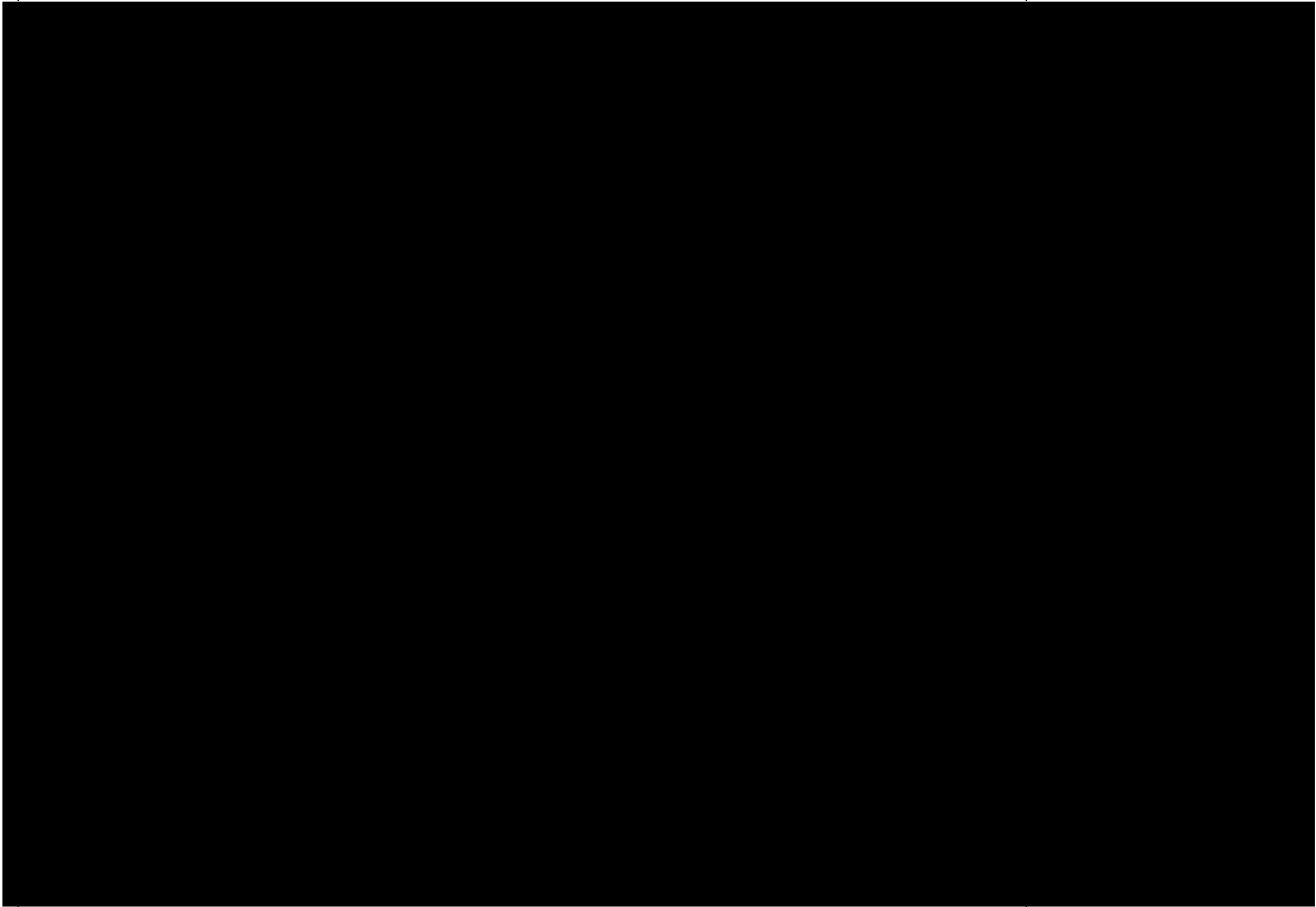
Listeners throughout the Bloc indicate a keen interest in the international broadcasts of VOA, RFE, and the BBC and comment freely on their conscientious efforts to hear the news in spite of the jamming. The information from this analysis of listeners' reports is not inconsistent with the information obtained from the regular reporting on the intelligibility of broadcasts by peripheral monitors.

Appendix A contains a detailed analysis of reports on reception from each area in each country surveyed.

DISCUSSION

Introduction

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Appendix A presents a detailed analysis of reports from each area covered in this survey. When the comments from an area are insufficient to confirm a specific conclusion, no conclusion is drawn.

Regions of Intense Jamming

Medium and Long Waves. The heaviest concentration of jamming on the medium-wave frequencies appears to be in East Germany, Poland, and Czechoslovakia. Practically no reception on medium waves is reported from the cities and surrounding areas of Chemnitz, Dresden, Erfurt, Halle/Saale, Leipzig, and Magdeburg in East Germany; Elbing, Lodz, New Hindenburg, Olstyn, and Warsaw in Poland; Bratislava, Budweis, Ostrava, and Prague in Czechoslovakia. Only an occasional breakthrough is reported. In each of these heavily jammed areas, however, there is substantial evidence that short-wave broadcasts can often be heard on at least one frequency even though most of the frequencies are jammed.

Medium-wave broadcasts from RIAS, Berlin, are jammed heavily in all but a few areas throughout East Germany, Poland, and Czechoslovakia. One notable exception in East Germany is the area northwest of Berlin towards Ludwigslust and to the south of Berlin between Treuenbreitzen and Leipzig where numerous reports from listeners indicate fair reception of medium-wave broadcasts from RIAS, Berlin. Many towns report that the reception of medium-wave broadcasts of RIAS, Berlin, is becoming increasingly worse in the other areas because of intensified jamming. Even the broadcasts from Nord Deutscher Rundfunk (North German Radio), NDR,* Hamburg, are more difficult to receive in southern Poland and western Czechoslovakia.

Severe jamming makes it almost impossible to hear medium-wave transmissions in the Czech language from Radio Free Europe in the northern and western portions of Czechoslovakia.

VOA medium-wave broadcasts in the Czech and German languages are heavily jammed in the northern and western portions of Czechoslovakia but are received with good to fair intelligibility in many of the rural areas throughout the southwest and south central portions.

RIAS and VOA long-wave broadcasts are well received during the morning hours in many of the towns in western and southern Poland, East Germany, and the northern and western sections of Czechoslovakia but they are subjected to progressively increased jamming during the later daylight hours and evenings.

*Formerly known as Nordwest Deutscher Rundfunk (Northwest German Radio), NWDR.

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Numerous comments from listeners in East Germany indicate that medium-wave broadcasts are jammed primarily by deliberate co-channel broadcast interference and also by some tone-type jamming. The former jamming procedure is in contrast to the method generally used in the USSR and in the Satellites.

Short Waves. Short-wave broadcasts from the VOA, RFE, and the BBC are frequently received with good intelligibility, particularly on the 19- and 25-meter bands, in all of the Bloc areas reporting. Only the large cities appear to have increased their jamming activity on the short-wave bands but not to an extent precluding reception on at least one frequency during some period of the day or night. Heavy jamming of the short-wave frequencies is reported from the cities of Prague and Warsaw with some slight penetration, but rural areas outside these cities report frequent fair to good reception. A survey of all the large cities throughout the Bloc countries indicates a general rise in the jamming of short-wave broadcasts from the West to these cities but apparently not to the same degree of intensity as in Prague and Warsaw.

A few listeners' reports from the southern portion of East Germany refer to the short-wave reception of RIAS, Berlin, on the 49-meter band. These reports indicate poor reception in the Erfurt area but occasionally good reception in Dresden. One report from Klaipeda, Lithuania, indicates good morning reception of the RIAS 49-meter broadcasts.

Reception of German Language Broadcasts
Outside East Germany

The reception of German language broadcasts outside East Germany is reported to be heavily jammed in northern and western Czechoslovakia and most of Poland, presumably because of the heavy population of Germans in these areas. The German language broadcasts of NDR, Hamburg, are now subjected to increased jamming activity in these areas as compared with that reported in 1954 and early 1955. The transmissions of NDR, Hamburg, and the Suedwest Funk (Southwest Radio), SWF, are, however, still received with relatively better intelligibility in these areas than those of RIAS, Berlin. The northwestern Czechoslovakian areas specifically report intense jamming of all broadcasts in the German language originating in West Germany.

Trends

Information for this present survey came from many of the same cities and towns reporting in the initial survey covering the period from 1954 through June 1955. (See figure 1.) A comparison of the earlier information with that recently received indicates a definite increase in the jamming activity in most sections of East Germany, Poland, and Czechoslovakia. This stepped-up interference is particularly

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true of East Germany and the Danzig area of Poland for practically all medium-wave transmissions from the West. Areas which heretofore reported good reception of NDR, Hamburg, broadcasts now report heavy jamming of these transmissions.

RIAS, Berlin, medium-wave broadcasts are subjected to increasingly severe jamming in almost every area with the exception of Rumania, where a number of reports indicate fair reception in the heavily populated German towns throughout Transylvania. In spite of the apparent increase in short-wave jamming throughout the Bloc area, the listeners' reports indicate that reception of VOA and RFE short-wave broadcasts on at least one frequency is often possible.

Information from several hundred new towns and cities has been received since July 1955. (See figure 1.) These cities include a number in Bulgaria, Hungary, and Rumania and many in East Germany, Poland, and Czechoslovakia.

In general, the reports from the cities in East Germany reveal an intense interest in the frequency-modulation (FM) broadcasts from RIAS, Berlin. All these reports stress the excellent reception of these broadcasts and the total absence of jamming. Several of these reports claim excellent reception of the RIAS, Berlin, FM transmissions at distances up to and in excess of 100 miles.

Selected Listeners' Comments
on Western Broadcasts

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The survey on the effectiveness of international broadcasting revealed some interesting commentaries by listeners which have both a direct and an indirect bearing on the reception of Western transmissions into the Bloc countries.

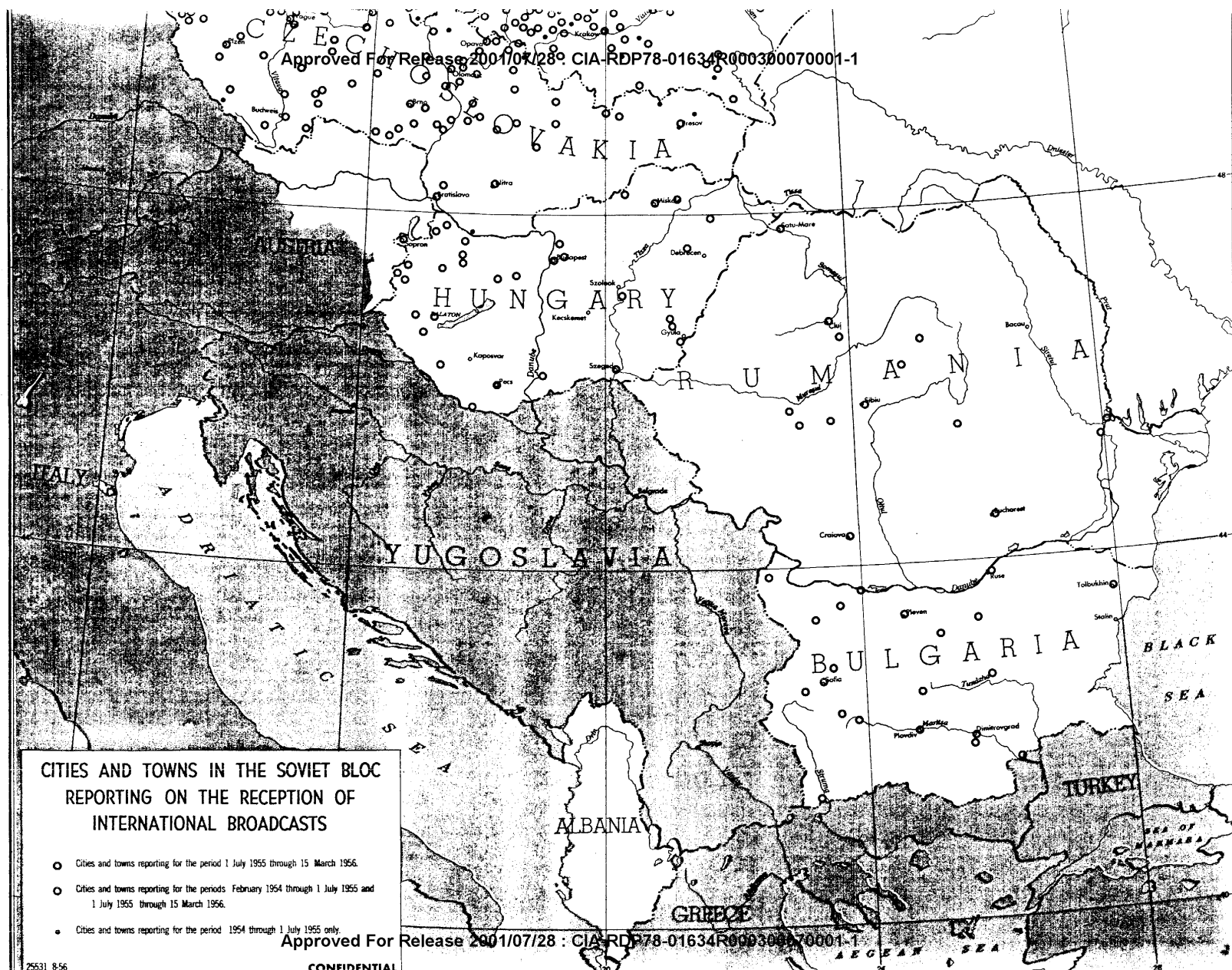
25X1X

[REDACTED] the BBC broadcasts are received with greater intelligibility in many areas throughout the Bloc countries than those of VOA and RFE. Some of the comments indicate that these listeners have a profound interest in broadcasts from the West and make a determined effort to listen to them in spite of the jamming. A substantial number of these listeners, in relating their interest, stated that they tune from one frequency to another to find clear reception and pointed out that even fragmentary sentences on one jammed frequency are filled in by rapidly switching from one frequency to another to obtain intelligible continuity. Other comments refer to the relatively better reception of VOA, RFE, and BBC broadcasts on the 19- and 25-meter bands during the daylight hours and on the 31- and 41-meter bands during the evening hours. Many listeners in Poland and Hungary report that VOA and RFE reception in the 41- and 49-meter bands is almost invariably subjected to very heavy jamming.

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APPENDIX A

Area Analysis by Country as Interpreted
from Listeners' Comments

This appendix presents an analysis of the reception of Western broadcasts to the Satellites as reported by listeners in various areas throughout these countries. The total number of reports received from each country is noted at the head of each section. The number of reports received from each area in the survey is indicated in parentheses at the heading of each item.

BULGARIA
(60 Reports)

Northeast Area (3)

Fair reception of VOA and RFE short waves is reported.

North Central-Central Area (7)

Fair to good reception is reported on VOA, RFE, and BBC short-wave broadcasts. Jamming is heavy only on 41- and 49-meter bands. Reception on 25- and 31-meter bands is fair throughout the day and night.

South Central Area (14)

Very good reception of VOA 19-meter band reported. RFE and VOA 31- and 49-meter bands are heavily jammed. BBC broadcasts are good throughout this area.

Southwest Area (11)

Fair reception of VOA Salonika broadcasts is reported. Short-wave frequencies of 25-, 31-, and 41-meters are heavily jammed. Scanning of bands, however, permits reception on one clear frequency. VOA 19-meter transmissions are practically devoid of jamming. RFE and BBC broadcasts are jammed during the evening hours but free during the daytime hours. The best reception periods for this area are between 1800 and 2100 hours. Jamming intensity increases after 2100 hours.

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APPENDIX A - Continued

BULGARIA

Northwest-West Area (25)

RFE and VOA reception on 19 meters fair throughout this area. All Western broadcasts jammed but intelligible through interference. 41-meter broadcasts are heavily jammed. BBC broadcasts jammed but can be received with fair intelligibility. This area appears to be the most heavily jammed in Bulgaria.

Southeast Area (0)

No reports have been received from this area.

CZECHOSLOVAKIA
(185 Reports)

Northwest-West Area (80)

Medium-wave reception in this area is almost completely blanked out. Some reports indicate occasional reception of long-wave transmissions during the morning hours from RIAS, Berlin. Medium-wave broadcasts are reported better received from NDR, Hamburg, than those from RIAS during the evening hours. Short-wave reception of VOA, RFE, and BBC are reported jammed. Although nearly all transmissions are jammed, the listeners usually find one clear frequency. Heavy jamming of all frequencies is reported from Prague. Even NDR, Hamburg, which was received regularly during 1954 and early 1955, is now subjected to heavy jamming. RFE Czech language programs on medium waves are severely jammed. VOA medium frequencies are also jammed but occasionally some signals get through. Rural areas close to Prague report fair reception of VOA, RFE, and BBC after 2200 hours. The Liberec and Jablonec areas report fair reception of all short-wave programs in spite of the jamming. Only NDR, Hamburg, medium waves are received with good intelligibility whereas RIAS medium waves are jammed continuously.

Southwest-South Central Area (18)

Several towns in these areas report excellent reception of VOA, RFE, and BBC short-wave transmissions. The towns of Ilava and Jindrichuv Hradec report no jamming of VOA, RFE, BBC, and RIAS broadcasts. Exceptions are heavy jamming in Brno and Gottwaldov. Excellent short-wave reception is reported from rural areas throughout southern Bohemia. Report from Budweis indicates good reception of RFE and VOA broadcasts.

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APPENDIX A - Continued

CZECHOSLOVAKIA

Eastern Area (5)

Meager reports from this area indicate heavy jamming in the town of Presov of broadcasts from RFE, VOA, and BBC. Good short-wave reception is reported from Terchova.

South-Southeast Area (12)

The city of Bratislava reports severe jamming of RFE broadcasts but some fair reception of VOA and the BBC on short waves. The town of Znojmo reports good reception of RFE and BBC broadcasts. Town of Nitra reports good reception of VOA and RFE 19-meter bands. 25-meter band, good evenings.

North-Northeast Area (70)

The area extending from Hradec Kralove east to Olomouc and Ostrava reports heavy interference on all medium-wave broadcasts excepting NDR, Hamburg, which is frequently received with good intelligibility. Short-wave broadcasts are jammed in the large cities, but listeners report there is always one clear frequency of VOA, RFE, or the BBC available. BBC reception reported relatively better throughout this area. Rural districts report fair to good reception on short-wave broadcasts.

EAST GERMANY
(940 Reports)

Area Northwest of Berlin (220)

Only two sectors in East Germany report good reception of RIAS, Berlin, medium-wave frequencies outside the 50-mile radius from Berlin. These regions include a small strip leading northwest from Berlin to Ludwigslust and another south through Treuenbreitzen to the northern boundary of Leipzig. The area extending north from Neuruppin to Rostock and Weimar reports severe jamming of RIAS medium-wave broadcasts. Some good reception of RIAS long-wave transmissions is reported from the northwest during the early morning hours. RIAS FM broadcasts are received throughout the entire northwest without jamming. Reception of NDR and the BBC is reported fair to good in these areas.

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APPENDIX A - Continued

EAST GERMANY

North-Northeast Area (150)

Heavy jamming of all medium-wave broadcasts is reported throughout area extending from Oranienburg north to Strahlsund and northeast to Schmoelln. Long-wave early morning reception of RIAS is reported good in some cities throughout these areas. Good reception of NDR, Hamburg, and the BBC is reported from the extreme northern sectors.

Area East-Southeast of Berlin (80)

RIAS medium-wave transmissions heavily jammed in practically all areas east of Berlin to the Polish border and southeast to Zittau. Some rural areas in the vicinity of Muskau report good reception of all West German broadcasts. Long-wave reception of RIAS and NDR, Hamburg, reported fair throughout a number of towns in this area. Only slight interference is reported on BBC, Free Berlin, and NDR broadcasts during the evening hours.

Area South of Berlin (180)

The area south of Berlin extending to Wittenberg and Finsterwalde appears to be the least jammed throughout East Germany. Numerous reports from these cities and rural areas report good intelligibility of the RIAS broadcasts. The area south of Berlin extending from Grossenhain through Dresden and Chemnitz reports practically no intelligible reception of RIAS on medium-wave broadcasts. Fair reception, however, is reported on long-wave broadcasts during the early morning hours.

Area Southwest of Berlin (310)

The areas extending through Magdeburg, Halle and to Leipzig report reception of RIAS medium wave heavily jammed. Only RIAS long-wave broadcasts are heard with fair regularity in the morning hours. Listeners report that all Western medium-wave broadcasts are jammed. RIAS short-wave broadcasts also jammed in many areas in the southwest.

Projection of these areas from Magdeburg through Halberstadt, Meiningen, and Plauen report exceptionally heavy jamming of RIAS medium-wave transmissions. A few reports indicate fair reception at times. NDR, Hamburg, Munich, and SWR reception on medium waves reported good throughout this area. BBC short-wave reception reported good in this area. Long-wave reception of RIAS reported good in many sections of this area. Several cities in the southwest report very good reception of RIAS FM broadcasts. The town of Gera, located approximately 130 miles south-

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APPENDIX A - Continued

EAST GERMANY

south-southwest of Berlin, reports clear reception of RIAS FM broadcasts but states that RIAS medium-wave transmissions are heavily jammed. NDR, Hamburg, medium-wave transmissions are received with good intelligibility.

HUNGARY
(70 Reports)

Northwest Area (28)

Reception of short-wave broadcasts from Budapest to the western and northwestern borders of Austria and Czechoslovakia is reported good. Many listeners report VOA, RFE, and BBC reception on the 19-, 25-, and 31-meter bands consistently good throughout this area. Only medium-wave transmissions from the West are reported heavily jammed. Eight reports from Budapest state good reception on the 19- and 31-meter bands. VOA, RFE, and the BBC are received with fair intelligibility even through the interference. Jamming renders the medium-wave broadcasts of VOA and RFE practically inaudible in the city of Budapest. Late evening reception reported good on all short-wave bands. The rural areas throughout the northwest report good reception of all short-wave broadcasts. Several reports from the Sopron area state fine reception of VOA, RFE, and the BBC.

Northeast Area (8)

Reports from this area indicate that RFE is heavily jammed and intelligibility is practically nil at all times. Some reception of VOA and the BBC is indicated. Jamming appears severe throughout the area but occasional good reception of VOA is reported from the town of Nyiregyhaza.

South-Southeast Area (14)

Good reception of VOA, RFE, and the BBC short-wave broadcasts is reported from Pecs to Baja and to the north of Szeged in the Tiza River valley. Reports indicate jamming always in evidence but that at least one clear channel usually can be found. All medium waves are subjected to constant jamming. The best reception is reported on the 19-meter band during the daylight hours and the 31-meter band in the evenings. Jamming is reported at its peak during the late afternoons. The south-eastern area near the cities of Szabadka and Mezobereny report very poor reception of both VOA and RFE because of heavy jamming. Fair reception of the BBC and NDR, Hamburg, is indicated.

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APPENDIX A - Continued

HUNGARY

West-Southwest Area (20)

The area extending from Zalaegerzeg to Pecs reports generally fair reception of VOA, RFE, and the BBC on short waves. Jamming is indicated on all waves but is most severe on the medium-wave broadcasts.

POLAND

(910 Reports)

Northwest-North Area (170)

Fair and poor reception of medium-wave broadcasts is reported for the area extending from Stettin east to Bromberg and north to Stolpe. NDR, Hamburg, and RIAS, Berlin, long-wave broadcasts are received with fair intelligibility throughout the morning hours daily. Short-wave reception of VOA and RFE is reported good from numerous rural areas but poor in the large cities. The BBC broadcasts in the German language are reported free of jamming. This area is subjected to considerable jamming but the large German population listens with great interest to RIAS and NDR broadcasts in spite of the interference.

North Central-Northeast Area (95)

The area extending east through Danzig, Elbing, and through Pisz reports severe jamming on the RIAS medium-wave broadcasts but fair reception of medium-wave transmissions from NDR, Hamburg. Fair to good reception, however, is reported for VOA, RFE, and the BBC short-wave broadcasts. The only area indicating consistently good reception of RIAS, Berlin, appears to be in the rural areas in and around Allenstein. A few reports indicate occasional reception of RIAS in the Danzig area on medium waves. NDR, Hamburg, appears to be the most effective of the medium-wave broadcasts from West Germany.

Central Area (125)

The area extending east of Poznan through Warsaw and south to Lodz reports good reception of NDR on medium waves and fair reception of RIAS medium- and long-wave broadcasts. Only the cities of Poznan, Lodz, and Warsaw report heavy jamming of RIAS, but the rural areas are relatively free of heavy jamming. These towns, however, report good reception of VOA and the BBC but heavy jamming of RFE broadcasts. Rural areas all report fine reception of VOA and RFE 31-meter transmissions. Some reports state that Western broadcasts are virtually free of jamming after 2400 hours.

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APPENDIX A - Continued

POLAND

West-Southwest Area (260)

Short-wave reception of BBC, VOA, RFE, and RIAS, Berlin, is generally good in the small towns and rural districts extending southwest from Poznan to Bunzlau and Legnica. RIAS medium- and long-wave broadcasts are received periodically in the smaller towns but almost completely blanked out owing to intense jamming in the towns of Legnica, Bunzlau, Hirschberg, Swidnica, Walbrzych, and Neurode. The Breslau area embracing Oelsnica, Brzeg, Reichenbach, and Opole and including border cities along the southern Polish border report extremely heavy jamming of RIAS medium-wave broadcasts. RIAS long-wave transmissions are frequently heard in the morning hours although they are at times heavily jammed. Hamburg appears to be the least jammed in these areas with the exception of Opole where all medium-wave transmissions are heavily jammed. Short wave reception of VOA, RFE, and the BBC is considerably better although jammed on many frequencies. Numerous reports from these sectors reveal that short waves are the most dependable, particularly during the late evening hours.

South-Southeast Area (185)

This area appears to be the most heavily jammed portion of Poland for the medium-wave frequencies transmitted from West Germany. The cluster of cities and towns in and around Zabrze and Katowice report that the reception of RIAS's medium-wave broadcasts are practically zero because of the heavy concentration of jammers in this area. Some reports point out that even NDR, Hamburg, once clear of interference, is now very difficult to receive because of jamming. Some fair reception is reported on RIAS long-wave broadcasts during the early morning hours. Short-wave broadcasts of VOA, RFE, and the BBC are received with good intelligibility on at least one frequency even though all of the others may be jammed.

East-Southeast Area (75)

Relatively meager reports from these areas indicate good reception of short waves in the rural sections east and southeast of Lublin. In the city of Lublin itself, jamming of Western broadcasts is reported heavy on all bands. Listeners state that only Warsaw can be heard. The area northeast and east of Krakow reports fair reception of VOA, RFE, and the BBC short-wave broadcasts.

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APPENDIX A - Continued

RUMANIA
(25 Reports)

Northeast Area (0)

No reports have been received from this area.

Northwest Area (2)

Good reception of BBC and VOA broadcasts is reported from Satu Mare. Reception of RIAS, Berlin, medium-wave transmissions are reported from the Cluj area.

Central-South Central Area (8)
(Transylvania)

Reception of broadcasts from the west are good in a few cities in these areas. Some reports indicate jamming is increasing but listeners are still able to receive VOA and RFE on short waves. The German population in these areas reportedly listens to the RIAS, Berlin, broadcasts. Hermanstadt and Predeal areas report good reception of VOA, RFE, and RIAS on short waves. Good reception of RIAS medium waves also reported from these cities.

South-Southeast Area (15)

Fragmentary reports indicate the population in the southern sector listens regularly to the BBC. Rural areas in the southeast report fair to good reception of VOA, RFE, and RIAS, Berlin, broadcasts. The mountain areas north of Bucharest report good reception of Western broadcasts. Reports from the city of Bucharest state that jamming of Western broadcasts is increasing and reception is at times very difficult. However, BBC transmissions at 2100 hours and RFE at 2245 hours are heard with fair intelligibility.

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APPENDIX A - Continued

USSR, ESTONIA, LATVIA, AND LITHUANIA
(13 Reports)

Latvia, Lithuania, and Estonia (8)

Reports from these countries indicate good reception of RIAS, Berlin, on the short-wave frequency during the morning hours. VOA, RFE, and the BBC short-wave transmissions are reported good during the afternoon hours but totally jammed in the evenings. NDR, Hamburg, medium-wave transmissions are well received but all other medium waves are jammed.

Leningrad, USSR (1)

Heavy jamming of VOA broadcasts reported from here.

Sverdlovsk, USSR (Lake Sungal area
in Ural Mountains) (3)

Good reception reported on BBC 19-meter broadcasts at 0300 and 1415 hours (London time) and 41-meter transmissions at 1700 and 2000 hours. No intelligible reception is reported on the 30- and 49-meter bands. Reports also indicate reception of RIAS, Berlin; NDR, Hamburg; and Bavaria, probably on medium waves.

Sukhumi, USSR (250 miles NE of Trabzon,
Turkey, on the Black Sea) (1)

German and Russian broadcasts from the BBC are heard in this area. Medium-wave frequencies are usually jammed.

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APPENDIX B

Cities and Towns Reporting
(July 1, 1955 thru March 15, 1956)

BULGARIA

Dimitrovgrad	Nikyup	Samokov
Gara Kostenets	Petrich	Sofia
Kapitan Andreevo	Pleven	Stalin
Khaskovo	Plovdiv	Sukhodol
Kula, Petrich Okoliya	Rogozen-Gre Hovo County	Tolbukhin
Mihajlovgrad	Russe	Tverdista

CZECHOSLOVAKIA

Becvou	Hejnice	Lazne Kyn Zwart
Bernartice	Hor Slavkov	Libavské-Udoli
Boletice	Horni Stare Mesto	Liberec
Bratislava	Hranice	Lipnik
Brno	Hrob	Litomerice
Broumov	Ilava	Loučna
Cejc	Jablonec	Mirianske Lazne
Ceske Budejovice	Jarovce	Nitra
Chomotov	Jindrichuv Hradec	Nova Svoboda
Dolni Maxov	Kabat	Novy Bor
Dolni Poustevna	Kamenice	Novy Jicin
Gottwaldov	Karlovy Vary	Odolice
Handlova	Kundratin	Opava

C-O-N-F-I-D-E-N-T-I-A-L

APPENDIX B - Continued

CZECHOSLOVAKIA

Ostrava	Sokolov	Upice
Otrokobice	Stahlavý	Usklarnj/Teplice
Pardubice	Strbske Pleso	Usti
Pezinok	Susice Okres	Varnsdorf
Plzen	Tasovice	Velky Senov, Dist. Rumburk
Prague	Terchova	Viden
Presov	Trebon	Vir
Radvanice	Trutnov	Zabehlice
Rokytnice	Tyn	Znojmo
Rychnov Nad Kneznov	Uhersky Brod	

EAST GERMANY

Anklam	Ballenstedt	Borkwalde
Apfelstedt	Barleben/Nagdeburg	Brand-Erbisdorf
Apolda	Bautzen	Brandenburg/Havel
Arnstadt	Beelitz	Bruchheim
Auerbach	Belzig	Bruenkendorf
Bad Dueben	Benster	Bueste
Bad Duerrenberg	Bernau	Buetzow
Bad Elster	Bernburg	Burg/Speewald
Bad Lausick	Binz	Chemnitz
Bad Schandau	Boenitz	Colmnitz

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

APPENDIX B - Continued

EAST GERMANY

Cottbus	Friedrichsfelde	Irxleben/Magdeburg
Dahleitz/Zossen	Gadebusch	Jaenkendorf/Niesky
Dahme	Gallin	Jena
Delitsch	Gera	Jesewitz/Leipzig
Demmin	Gielow/Malchin	Johann Georgenstadt
Dessau	Glienicke	Kahla
Ditfurt/Harz	Glowe/Ruegen	Koelleda
Doebeln	Goldberg/M	Kreuzburg
Doemitz/Elbe	Grabow	Krietzow
Dresden	Gransee	Kusemark
Eggesin	Greifswald	Kyritz
Ehrenhain	Gross Sperrenwalde/ Prenzlau	Langenhessen
Eibau/M	Grossenhein	Langensalza
Eisenach	Guestrow	Lauban
Elster/Elbe	Hainichen/Sa	Leipzig
Erfurt	Hammelspring	Lichtentanne/Sa
Falkensee	Hassenhausen	Liebenwerda
Falkenstein/Vogtland	Hettstedt	Loecknitz
Finsterwalde	Hohenstein-Ernstthal	Ludwigsfelde
Fletmark	Holthausen	Luebben
Frankleben/Merseburg	Hundorf	Luetzscheta
Freiberg	Ilfeld/Harz	Lugau

C-O-N-F-I-D-E-N-T-I-A-L

APPENDIX B - Continued

EAST GERMANY

Magdeburg	Riesa	Suelzhayn
Meiningen	Roebel	Suhl
Meissen	Rostock	Talheim
Moelkau/Leipzig	Rostorf/Bobitz	Tanna
Muskau	Rueterberg/Doemitz	Teetz/Fretzdorf
Naumburg/Saale	Sagerheide	Tessin
Neuruppin	Schadeleben	Thale
Niederschlema	Schkeuditz	Thonhausen
Niesky	Schleiz	Thum
Noerditz/Goessnitz	Schmoelln	Treuenbreitzen
Oderberg	Schwarzenberg	Uftrungen
Oppach O/L	Schwerin	Uhyst
Oschatz/Sa	Schwiggerow	Umpferstedt
Ostseebad/Dierhagen	Seebad Bansin	Vellahn
Poessneck	Sonderhausen	Waldorf
Pritzwalk	Spremberg	Waltershausen
Putzkau	Stassfurt	Waren
Quedlingburg	Stavenhagen	Weisenburg
Rackel	Stendahl	Weissenfels
Rathenau	Strahlsund	Werdau
Rheinsberg	Strelitz	Wernigerode

C-O-N-F-I-D-E-N-T-I-A-L

APPENDIX B - Continued

EAST GERMANY

Wismar	Worbis	Zinnowitz
Wittenberg	Zeissig	Zittau
Wittstock	Zeppernick	Zwenkau
Woelkau	Zerbst	
Wolfen	Zingst	

HUNGARY

Baja	Mezobereny	Szabadka
Budapest	Miskolc	Szeged
Bueck	Mosonmagy Arovar	Szerencs
Csepreg	Mosonszentjanos	Szombathely
Felsoerajk	Nyiregyhaza	Terchova
Gyoer	Ozd	Tizsantul
Inota	Pecs	Zalaegerzeg
Kisnarda	Rakoczifalva	Zentpeterfa
Koroshegy, County Somogyszob	Rakosszentmihaly	
Koszegpaty	Sopron	

C-O-N-F-I-D-E-N-T-I-A-L

APPENDIX B - Continued

POLAND

Allenstein	Domecko/Althaus	Kedzierzyn
Bielawa	Dramburg	Kepno
Boguszow/Bucyka	Elbing	Kielce
Bojszow	Elk/Lyck	Koeslin
Boleslawiec	Flatow	Kolberg
Breslau	Fraknowo	Kozle
Bromberg	Giraltow	Kozuby
Brzeg	Gleiwitz	Krakow
Budowo	Glubczyce	Kraskowo
Buetow	Gnieszno	Krasnik
Bunzlau	Goerlitz	Kreuzburg
Bytom	Goldberg	Labes
Cammin	Goszyce/Heisenbusch	Lauban
Chelmno	Groszowice	Legnica
Chojnice	Grozycko	Lichynia
Chorzow	Guttentag/Lubiniec	Lobzenica/Wyrzysk
Cosel	Habelschwerdt	Lodz
Czarny-Bor	Hirschberg	Loetzen
Danzig	Jadowniki/Brzesko	Lubiechow
Deschowitz	Jawor/Jauer	Lublin
Dobropole	Jezowsudecki	Lwowek
Dolsk	Kattowitz	Lyck

C-O-N-F-I-D-E-N-T-I-A-L

APPENDIX B - Continued

POLAND

Marienburg	Ratibor	Szopienice/Gieschewald
Moczydla (Gruenberg)	Reichenbach	Sztum
Neidenburg (East Prussia)	Roessel	Tarnowitz
Neurode	Rummelsburg	Topola/Zabkowice
Obrzynowo	Rybnik	Trebnitz
Opalencia	Rydultowy	Tulowice
Opole	Schlawe	Walbrzych
Osterode	Schlochau, Grenzmark	Waldenburg/Walbrzych
Oswiecim	Sensburg	Warsaw
Palowice	Sgojewo/Schojow	Wartenburg
Piekary Slask	Smolarni/Pechhuetten	Wiecbork/Vandsburg
Pilchowitz	Starachowice	Wilczeta/Deutschendorf
Piotrkow	Stargarde	Wobieszow
Pisz	Stettin	Wyszogora
Poznan	Stolpe	Zabrze (Hindenburg)
Ptomo	Straczno	Zelezna Ruda
Raciborz	Swierczewo	Zelistawie
Racot	Swietajno	Zielona Gora
Raczki	Szamotuly	Zlotow
Radzionkow	Szchawno-Zdrov	Zopienice/Satlinogrod
Rastenburg	Szezecinek/Stalino	
Raszkow/Ostrow	Szombark	

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C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

APPENDIX B - Continued

RUMANIA

Braila	Hermanstadt	Sighisoara
Bucharest	Hunedoara	Transylvania Area
Craiova	Predeal (Brasov Area)	Turda
Galati	Satu Mare	

USSR, ESTONIA, LATVIA, AND LITHUANIA

Bauska (Latvia)	Panisevki's Ikskile "Bligavas" (Latvia)	Sverdlovsk
Klaipeda (Lithuania)	Priekule (Latvia)	Tallinn (Estonia)
Leningrad	Schnaugsten (Latvia)	Vilnius (Lithuania)
Lepaya (Lithuania)	Steponiskai (Lithuania)	
Malchika	Sukhumi	

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